

Product Specifications



CNT-240-150M

CNT-240, Cinta™ 50 Ohm Braided Coaxial Cable, 150 m, black PE jacket



Characteristics

Construction Materials

Jacket Color	Black
Jacket Material	PE
Braid Material	Tinned copper
Shield Tape Material	Aluminum
Dielectric Material	Foam PE
Inner Conductor Material	Copper wire

Dimensions

Cable Length	150 m 492 ft
Diameter Over Dielectric	3.810 mm 0.150 in
Diameter Over Jacket	0.240 in 6.100 mm
Inner Conductor OD	1.420 mm 0.056 in
Outer Conductor OD	4.520 mm 0.178 in
Reel Flange	250.0 mm 9.8 in
Reel Hub	100.0 mm 3.9 in
Reel Traverse	210.0 mm 8.3 in
Total Weight	18.7 lb 8.5 kg

From North America, toll free
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Electrical Specifications

Cable Impedance	50 ohm
Capacitance	80 pF/m 24 pF/ft
dc Resistance, Inner Conductor	3.300 ohms/kft 10.830 ohms/km
dc Resistance, Outer Conductor	3.890 ohms/kft 12.760 ohms/km
dc Test Voltage	2000 V
Jacket Spark Test Voltage (rms)	5000 V
Maximum Frequency	31.00 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	5.6 kW
Shielding Effectiveness	>90 dB
Velocity	83%

Environmental Specifications

Installation Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)

General Specifications

Cable Type	CNT-240
Braid Coverage	90% braid
Packaging Type	Reel

Mechanical Specifications

Bending Moment	0.3 ft lb 0.3 N-m
Flat Plate Crush Strength	0.4 kg/mm 20.0 lb/in
Minimum Bend Radius, Single Bend	0.75 in 19.10 mm
Tensile Strength	80 lb 36 kg

Attenuation

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	4.90	1.50
50 MHz	6.20	1.90
150 MHz	10.20	3.10
220 MHz	12.50	3.80

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450 MHz	17.40	5.30
900 MHz	24.90	7.60
1500 MHz	32.80	10.00
1800 MHz	36.40	11.10
2000 MHz	38.70	11.80
2400 MHz	42.98	13.10
2500 MHz	44.00	13.40
3000 MHz	48.90	14.90
4000 MHz	57.74	17.60
4500 MHz	62.01	18.90
5000 MHz	66.27	20.20
5200 MHz	67.91	20.70
5500 MHz	70.21	21.40
5800 MHz	72.51	22.10
6000 MHz	73.82	22.50

Regulatory Compliance/Certifications

Agency

RoHS 2002/95/EC

Classification

Compliant

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